ABSTRACT OF THE DISCLOSURE

Fibrous composite articles and method of manufacturing the same are disclosed. The preferred fibrous materials have average fiber lengths of less than about 2 millimeters, and are obtained from industrial hemp hurd, kenaf hurd, and/or the culms of various species of vegetable bamboo. The fibers are combined with a binder resin and, optionally, a sizing agent to form a mat that is consolidated under heat and pressure to form the composite articles. The formed articles exhibit strength and durability characteristics at least roughly equivalent, if not superior, to those of conventional wood-based fibrous composite articles.